

the spirit and scope of the invention, as will be apparent to those skilled in this art.

Having described the invention, what is claimed is:

1. A valve suitable for fitting upon an enclosure within which fluid can be placed and contained comprising, in combination,

a tubular member formed by an enclosing wall providing an axial opening therethrough,

a lateral opening within the wall of said tubular member which intersects with the axial opening through the said tubular member,

a stem, provided with a lateral opening therein, slidably mounted within the said lateral opening through the tubular member,

a septum which lies across, covers and seals a section of the axial opening through the tubular member, whereby movement of said stem to align the lateral opening of the stem and the axial opening opens the valve such that penetration of the septum can be made for injection of fluid, and misalignment of the lateral opening and axial opening closes the valve and prevents ingress or egress of fluids through the valve.

2. The apparatus of claim 1 wherein the tubular member is comprised of a pair of members, one fitted snugly inside the other, the outer member is constituted of metal and the inner member is constituted of a resilient material.

3. The apparatus of claim 2 wherein the resilient material of which the inner member is composed is Teflon.

4. The apparatus of claim 1 wherein the tubular member contains a second lateral opening therethrough, and the septum is fitted therein.

5. A valve suitable for fitting upon the enclosing wall which forms the neck of a bottle to provide an enclosure therewith, such that fluids confined with said bottle can be permitted ingress and egress therefrom only through the opening and closing of said valve, comprising in combination

a tubular member formed by an enclosing wall providing an axial opening therethrough,

a flange formed by an outwardly flared wall portion of said tubular member, the flange being located at the lower end of said tubular member and adapted for contact with the enclosing wall which forms the

neck of said bottle,

a lateral opening within the wall of said tubular member which intersects with the axial opening through the said tubular member,

a stem provided with a lateral opening therein slidably mounted within the lateral opening through said tubular member,

a septum which lies across, covers and seals a section of the axial opening through the tubular member, whereby movement of said stem to align the lateral opening of the stem and the axial opening opens the valve that penetration of the septum can be made for withdrawal of fluids, and misalignment of said lateral opening and axial opening closes the valve and prevents ingress and egress of fluids from the bottle.

6. The apparatus of claim 5 wherein the tubular member is provided with a second lateral opening and the septum is located within said second lateral opening.

7. The apparatus of claim 6 wherein the septum is the outer member of the series constituting the septum and lateral opening within the stem.

8. The apparatus of claim 5 wherein the tubular member is constituted of Teflon.

9. The apparatus of claim 5 wherein the outer peripheral edge of the flange located on the lower portion of the valve is recessed and contains an O-ring, and the valve can be secured to the bottle via an open-centered cap, the tubular portion of the valve being extendable through the opening in the center of the cap, while the flanged portion is held in place atop the container via threadable engagement between the cap and the top of the container, and whereby the downward pressure exerted by the cap causes extrusion of the O-ring against the internal surfaces of the cap to seal the bottle.

10. The apparatus of claim 5 wherein that portion of the valve constituting the lowermost portion of the tubular member is projected below the flange and is provided with a circumferential groove within which an O-ring can be fitted, and the valve can thereby be fitted into and sealed within the bottle by pressing the lowermost portion of the tubular member into the neck of the bottle.

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